

P4200 / P4500

system operator's reference card

C51A user library



Data
Systems

PHILIPS

Module Reference Number:

C051A—00A—00E

	↑	↑	↑	↑	↑	↑	↑
System P4500.....							
Module Number.....							
User Library.....							
Not Relevant.....							
Not Relevant.....							
Complete Module.....							
Original Edition.....							
English Version.....							

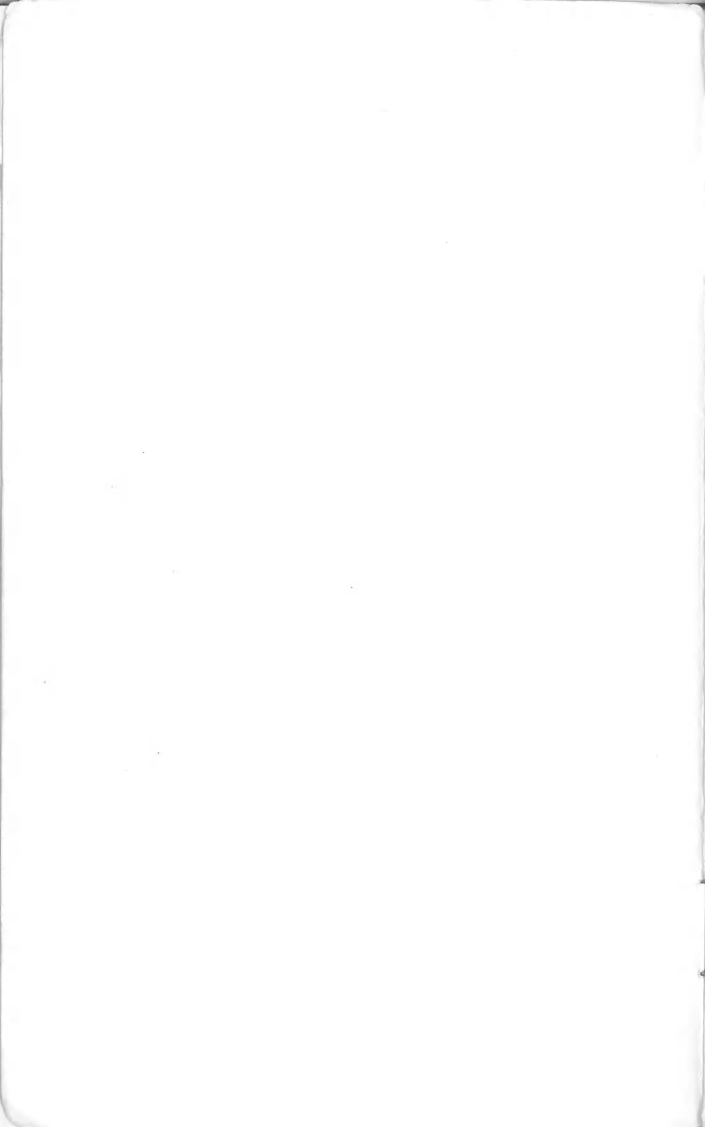
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SYSTEM IPL PROCEDURE

The following is only required to start the system after it has been switched off. If it must be restarted continue with step 4.

1. Check that power is applied to all machines; press the power buttons to switch on workstations and SYSCOM.
2. At the Operator Control Panel on the Main Cabinet:

Only for P4200:

- Turn the MASTER switch until the white line points to OP
- Set the IPL rotary switch to the logical device number of the SYSTEM disk: 1 = DK1 (Flexible disk)
3 = DK3 (Fixed disk drive IA)
5 = DK5 (Fixed disk drive IIA)
- Turn the MASTER key in a clockwise direction to ON; the red indicator light (PLANNED ON) is lit then.

Only for P4500:

- Turn the POWER key to MASTER/ON.
 - Set the IPL rotary switch to the logical device number of the SYSTEM disk:
1 = DK1 4 = DK4
2 = DK2 5 = DK21
3 = DK3 6 = DK22
 - Press ON button; the red light beside the ON button is lit.
 - Press the TIMER button when not depressed.
3. Press START/STOP or POWER ON buttons for disk units and printers, if required.
 4. Press RUN button on the Main Cabinet.
 5. AT SYSCOM:
 - Wait until the following messages have been displayed:
IL00 UIL UTILITY FOR INITIAL LOAD STARTED
IL13 STANDARD SYSTEM LOAD (SSL) OR
 RESET AND LOAD (RSL)
 - Press CAP key if indicator lamp is not already on
 - If no output is waiting to be printed, key in RSL and press the ENTER key.
If spooled output from a previous session is waiting to be printed, key in SSL and press the ENTER key.
If only the ENTER key is given, the system will default to SSL.
When a System Access Check is done via the System Catalogue, supply user identification possibly followed by a password.

The following messages are displayed on the screen then:

```
I 0060      ***** SYSTEM-COMMUNICATION MODE *****  
I 0129      12NC NUMBER AND MACHINE NUMBER  
I 0123      SYSTEM IS IN START—UP STATE  
R 0008      GIVE ACTUAL DATE  
              (YEAR-YEAR*MONTH-MONTH*DATE-DATE)
```

- Reply with six digits for the requested date, followed by the ENTER key. The following message is displayed on the screen then:

```
R 0009      GIVE ACTUAL TIME  
              (HOUR-HOUR*MINUTE-MINUTE)
```

- Reply with four digits for the requested time, followed by the ENTER key.

Now a list is displayed of all available disk devices.

- Press INT key. The following message is displayed on the screen then:

```
R 0001      ENTER YOUR COMMAND
```

- Give OPEN command followed by the ENTER key to connect other work stations to the system. The following message is displayed on the screen then:

```
I 0120      SYSTEM IS IN PRODUCTION MODE
```

SYSTEM CLOSE DOWN PROCEDURE

The following steps are required to close (switch-off) the system.

1. Give CLO command. The following messages are displayed then:
I 0119 COMMAND EXCEPTED
I 0122 SYSTEM IS PREPARED FOR SHUTDOWN
Backup procedure(s) BACKUP1, BACKUP2 are started now.
2. Supply information about volumes, device type and dataset names to be used for the backup procedures.
3. Mount the PERAS flexible disk.
When PERAS has finished the following messages appears:
I 0125 WAIT FOR HEXLED FE, STOP DISKS,
SWITCH POWER OFF
4. Wait for HEXLED FE.
5. Power off all disks drives by pressing the START/STOP button.
6. Turn Master key on the control panel to (MEMORY) OFF.
7. Remove volumes.
8. Switch power off.

OPERATOR COMMANDS

ATT <device-id>	Causes the Operating System to retry a device
CLE <device-id>	Clears disk unit, magnetic tape unit or cassette unit to remove a volume
CLO	Prepares system for shutdown
CON	Continues an interrupted job
DAT	Changes the system date and time
DIA <device-id>	Displays statistic information of specified device
DOW <device-id>	Makes a device unavailable for the system
DST <device-type>	Displays status of all devices for the given device type
DST <device-id>	Displays status of specified device
DUM <job-number>	Prints a dump of the main memory contents used by the job
EOF <device-id>	Indicates the end of a card or tape file
HEL	Displays help messages on the screen
JPR	Displays progress report on all active jobs
JPR <job-number>	Displays progress report on specified job
JPR <priority>	Displays progress report for all jobs with specified priority (high, medium or low)
JPR CD<nnn>	Displays progress report on all jobs started from specified workstation
JPR <HH:MM>	Displays progress report on all jobs started after specified time
JST	Displays status report on all active jobs
JST <job-number>	Displays status report on specified job
JST <priority>	Display status report for all jobs with specified priority
JST CD<nnn>	Displays status report on all jobs started from specified device
JST <HH:MM>	Displays report on all jobs started after specified time
KIC	Stops previously interrupted job waiting for accessing records
KIC <job-number>	Stops job waiting for accessing records
KIL <job-number>	Stops (kills) a job
MES <job-number>	Sends special signal to a DC program
NEX <job-number>	Stops (kills) a step, next step will be executed
NOL <device-id>	Allows a volume with a non-standard label or no label at all to be mounted
NOM <device-type>	Required volume cannot be mounted on specified device type

OFF	Notifies the system that a workstation is not in use
OPE	Makes workstations ready for use
PRI <spool-id>	Prints spool members of specified job from hold chain
PRI <spool-id>, <frequency>	Prints specified number of copies of spool members of specified job from the hold chain
PUM	Prepares system to work in unattended mode
RUN <job-name>[+]	Starts a procedure in SYSLIB or PROCLIB on SYSRES.[+] denotes that + sign may be used
RUN <job-name>, <library-name>[+]	Starts a procedure in a private library on SYSRES. [+] denotes that + sign may be used for changing defaulting variables.
RUN <job-name>, <library-name>, <volume-name>[+]	Starts a procedure in a private library on a private volume. [+] denotes that + sign may be used for changing defaulting variables
SKI <device-id>	Skips a device error
SMI	Lists information on all jobs from direct chain
SMI ,<chain-type>	Lists information on all jobs from specified chain
SMI <spool-id>	Lists information on specified job from direct chain
SMI <spool-id>, <chain-type>	Lists information of specified job from specified chain
SPA ALL	Moves all members of all printers from hold chain to direct chain
SPA <spool-id>	Moves all members of specified job from hold chain to direct chain
SPA <spool-id>,LP<nn>	Moves all members of specified job and printer from hold chain to direct chain
SPA <spool-id>,LP<nn>, <frequency>	Moves all members of specified job and printer the specified number of times from hold chain to direct chain
SPC LP<nn>	Stops printing current spool member and deletes it from spool queue
SPH ALL	Moves all members of all printers from direct chain to hold chain
SPH <spool-id>	Moves all members of specified job from direct chain to hold chain
SPH <spool-id>,LP<nn>	Moves all members of specified job and printer from direct chain to hold chain
SPI [<chain-type>]	Lists information from specified chain for all printers. Default value is direct chain

SPI LP<nn> [,<chain-type>]	Lists information from specified chain for specified printer. Default is direct chain
SPI <spool-id> [,<chain-type>]	Lists information for specified job from specified chain for all printers. Default value is direct chain.
SPI <spool-id>,LP<nn> [,<chain-type>]	Lists information for specified job from specified chain for specified printer. Default value is direct chain
SKP <spool-id>	Deletes all output for a job
SPO LP<nn>[+]	Assigns output to specified printer. [+] denotes that + may be used for printing identification pages
SPP <spool-id>	Moves spool members of given job at front of direct chain (print queue)
SPP (<paper -type>)	Moves spool members of given paper type at front of direct chain (print queue)
SPR LP<nn>	Restarts printing of spool member for specified printer
SPR LP<nn>:<page>	Restarts printing of spool member for specified printer from given page number
SPR LP<nn>, <frequency>	Restarts printing of spool member for specified printer the given number of times
SPS LP<nn>,LP<mm>	Sends all output for one printer to another printer.
SPS LP<nn>,LP<mm>,FF	Specify original printer first Sends only spooled Front Feed members for one printer to another printer. Specify original printer first.
SPS <spool-id>, LP<nn>,LP<mm>	Sends all output from specified job for one printer to another printer. Specify original printer first
SPS <spool-id>, LP<nn>,LP<mm>,FF	Sends only Front Feed members from specified job for one printer to another printer. Specify original printer first.
SPU LP<nn>	Overrules previously given SPS command for specified printer
SPU LP<nn>,FF	Overrules previously given SPS command for only Front Feed members for specified printer
SYS	Specifies the workstation from which this command is given as SYSCOM. May only be given when SYSCOM is not available.
SYS CD<nnn>	Specifies a workstation as new SYSCOM

TEL CD,<message>	Sends a message from SYSCOM to all workstations or from any workstation to SYSCOM
TEL CD<nnn>, <message>	Sends a message from one workstation to another
UNA	Messages from a job are sent to SYSCOM instead of to the originating workstation
UNL <device-id>	Ignores standard label of a volume
UNS LP<nn>	Allows printing of a non-standard job which does not use spooling facilities
UP <device-id>	Makes a downed device available for the system
WAI	Produces a report on all jobs and all outstanding operator actions
WAI <job-number>	Reports the current state of the specified job
WAI <device-id>	Reports the outstanding operator actions for the specified device

The following function keys can be used instead of typing the related commands. Before pressing the function key, the concerned parameters must be given.

KEY	COMMAND
F1	JST
F2	JPR
F3	WAI
F5	DST
ACCEPT/YES	CON
HELP	HEL
EXIT	OFF

HEXLED CODES

00 - BF SET BY HARDWARE

00 - 3F The control unit number of the control unit that gave an error during initialization (initial test III)
40 Error in IPL device or error in IPL action itself
80 CPU error during initial test I
81 CPU error during initial test II
82 CPU error during initial test III
84 Selected IPL control unit not connected during IPL
85 No IPL-IOC indication received during IPL
86 CPU or Milli program error during initial milli program
8D Unknown HW interrupt received
8E Unknown device interrupt received
8F Unknown CNR/RDN combination received
90 Load flexible disk 0
91 Load flexible disk 1
92 Now HW dump allowed on this floppy, load a correct floppy
93 Irrecoverable error on floppy, dump ended abnormally
94 Main Store dump active
95 Normal end of dump
99 Printer error during HW dump
A0 Memory error during initial test I
A1 Memory error during initial test II

CO - FF SET BY SOFTWARE

CO - CF Set by Basic Instruction Test (B.I.T.)
DO - DF Claimed for extension

EO - FF SET BY MCP AND STAND ALONE UTILITIES

E0 Defective SYSCOM DCP
E1 Defective SYSCOM cable or modem
E2 Defective SYSCOM display or keyboard
F0 Software error in MCP.
Make HW dump and inform Service
F1 Irrecoverable I/O error on system dataset.
Possible system datasets: MCP
SPOOLDS
SWAP
SYSLIB (SFH, DBH, etc.)
Make HW dump and inform Service
F2 SIO not recognized, device not in configuration.
Make HW dump and inform Service
F3 Unidentified IOC interrupt.
Make HW dump and inform Service

- F4 Error during IPL (generation error).
 - Look at the survey of the SYSTEM disk which must contain the following datasets: SYSLIB, MESSDS, PRINTDS, PPDS, CONFDS and MCP.
 Besides, the free space should be large enough to contain SPOOLDS, ERDLS, OPLDS, SCREND, \$LOGFILE and FLOG (if customized).
 - Make HW-dump and inform Service
- F5 Corrupted Configuration Dataset (CONFDS).
 Inform Service
- F6 Software error in DBH, SFH, or interface SFH and DBH with MCP.
 Make HW-dump and inform Service
- F7 TIMER is switched off. HEXLED code disappears after switch on.
- F8 Illegal password from SYSCOM during IPL
- FA Error on SYSCOM terminal; the code disappears when another terminal is assigned the SYSCOM function by means of the SYS command.
 Inform Service
- FB Failure on Programmable Control Unit (PCU).
 Inform Service
- FD Possible headcrash on SYSTEM disk.
 Inform Service
 (For Stand Alone Utilities the meaning is: possible head-crash on one of the disks used)
- FE System closed and can be switched off
- FF SYSTEM disk inoperable.
 (For Stand Alone Utilities the meaning is: one of the disks used is inoperable)
 This HEXLED code disappears when the disk becomes operable

LOGICAL STATUS CODES

HEX	DEC	Meaning	Action
01	1	- EOF label detected - End of communication	No action Disconnect line in case of switched lines
		- No transfer wanted (station does not want to receive)	No action
02	2	- Tape mark detected - Key not found in current step or PPDS	No action No action
		- SEARCH command could not find required block	No action
		- Request for RECEIVE (the other station wants to start with output first)	No action
		- Irrecoverable Tape mark error detected	No action
03	3	- Irrecoverable peripheral error (may occur after power failure of ND, CD or CC)	No action
04	4	- Logical sector number on disk addressed exceeding dataset limit	Extend file
		- BOT/EOT detected on Magnetic Tape/Cassette	No action
05	5	- Wrong length	
		DC: - Incoming message exceeds I/O area length	Inform programmer
		- Outgoing message exceeds buffer length	Inform programmer
		- Outgoing message exceeds DCCU or workstation buffer length	Inform programmer
		CT: - Attempted to read block > 256 characters	Inform programmer
		- Attempted to write block < 2 characters	Inform programmer
		MT: - I/O area length > 4095	Inform programmer
		LP: - Length = X'FF'	Inform programmer

HEX	DEC	Meaning	Action
06	6	- Empty tape	Inform programmer
		- LP: incorrect page size	
		- FF: more lines printed than page size minus 11	
07	7	- Data link failure; impossible to continue data transfer	No action
08	8	- Correct position on a medium has been lost due to an error (may occur after power failure)	Inform Service
09	9	- Program boundaries exceeded in main memory	Make dump and inform programmer
0A	10	- Workstation was disconnected but connection is reinitiated; screen contents lost (after power failure of CD)	No action
0B	11	- Transmission error on a READ	No action
0C	12	- Operand of CALM SETPAR is incorrect	Inform programmer
		- Deleted disk data address mark	Inform programmer
0D	13	- No path free (line busy)	No action
0E	14	- DC connection not possible (no answer)	Inform Service
		- Wrong disk	Mount correct disk
0F	15	- Power failure	No action
10	16	- DC request for no more messages	No action
11	17	- Transmission error on SEND	No action
12	18	- DC procedure request to switch from data transfer to voice mode	No action
20	32	- Illegal command detected; command rejected	No action
24	36	- Flag error on disk	Re-initialize disk
80	128	- FD/TD/BD already attached	Inform programmer
81	129	- Dataset not on volume	Inform programmer
82	130	- NOMOUNT given by operator	Proceed according to the next system message

HEX	DEC	Meaning	Action
83	131	- Dataset already exists	If possible, delete existing dataset (inform programmer)
84	132	- Insufficient space available for creation of dataset - Size of dataset specified as 0 - Incorrect record length and/or blocking factor specified	If possible, create space Correct input or inform programmer Correct input or inform programmer
85	133	- Mounted volume is not Compact or Standard labelled	Initialize medium or give NOL command
86	134	- Requested device, dataset or volume is not available	If possible, select another device or wait until other program is finished If dataset is corrupt, perform recovery procedure (DCERTIFY) of UTILS
87	135	- Requested device not present in configuration	Correct procedure
88	136	- Invalid dataset specification; organization is not S, L or X	Inform programmer
89	137	- No space available for administration	Inform Service
8A	138	- Requested member not present in specified library	Correct procedure or inform programmer
8B	139	- FD/TD/BD/ not attached	Inform programmer
8C	140	- Device down	Give UP command
8D	141	- Write access to specified dataset or device not allowed	Cancel write protection; MCP protected dataset cannot be deleted
8E	142	- VTOC full	If possible, make space on this disk else use another
8F	143	- Illegal discard function	No action (tried to discard a system dataset)

HEX	DEC	Meaning	Action
90	144	- Invalid OPEN specified for CT or MT; OPEN = EXTEND only allowed for Compact labelled cassette and Standard labelled magnetic tape	Correct procedure or inform programmer
91	145	- Enlarge not possible - Invalid dataset name specified	Correct procedure or inform programmer
92	146	- File section not on cassette	No action
93	147	- Invalid record length or blocking factor specified	Correct procedure or inform programmer
94	148	- Incorrect block count	No action
95	149	- Incorrect FD extension	inform programmer
96	150	- Specified device may not be used for specified functional device	Correct procedure or inform programmer
99	153	- No file or volume name in FD	Correct procedure or inform programmer
9A	154	- DAT = VTOC not allowed - Dataset has been marked corrupt	Run Track Recovery procedure (DCERTIFY) of UTILS
9B	155	- Keyword exceeds 8 characters	Inform programmer
9C	156	- MCB FUNCTION code not existing	Inform programmer
9D	157	- REPLY-AREA in MCB cannot contain return value	Inform programmer
9F	159	- Requested block currently under Exclusive Access mode by another program	Wait until other program is finished
A0	160	- Requested block already under Exclusive Access for this program via another FD	Inform programmer
A6	166	- Terminal type not allowed	Inform programmer
A8	168	- Incorrect device type	Inform programmer
A9	169	- Specified TYPE-OF-USAGE not allowed for specified device	Inform programmer
AB	171	- CALM not allowed	Inform programmer

HEX	DEC	Meaning	Action
AD	173	- Invalid ATTERM when the maximum number of workstations is already attached	Inform programmer
AF	175	- Wrong counter identification number received	Inform programmer
B5	181	- No line activity	Proceed according to operating instructions
B7	183	- Block transfer aborted	Proceed according to operating instructions
B8	184	- Received data not conforming to specified TYPE-OF-DATA	Proceed according to operating instructions
BA	186	- Remote program load of other station failed - Message exchange has been tried but other station was not initiated	Initiate station
BE	190	- Invalid request for library name (library name has already been requested)	Inform programmer
BF	191	- Invalid release of library name (library name has not been requested at all)	Inform programmer
CO	192	- Another program has requested this member already	Wait until other program is finished
C7	199	- Expiration date exceeded	Inform programmer
C8	200	- Incorrect specification of disk dataset	Inform programmer
C9	201	- Incorrect organization of disk dataset	Inform programmer
CA	202	- File retention period has not expired	Inform programmer

DBF ERROR CODES

The following codes are used by DBF if RETURN—STATUS = 90

HEX	DEC	Meaning	Action
76	118	File not correctly closed (after a system break)	Go back to last backup
77	119	File inconsistent	Go back to last backup
78	120	Non-empty index block	Go back to last backup
79	121	No free data buffer	Inform programmer
CB	203	User specifications for FUNCTION-LOG are conflicting	Inform programmer
CC	204	User specifications for TRANS-LOG are conflicting	Inform programmer
CD	205	CONDITIONAL-PRIME- INDEX specification not possible; given at file creation	Inform programmer
CE	206	PRIMARY-INDEX-WITH- DUPLICATES specification not possible; given at file creation	Inform programmer
CF	207	Dataset length zero; number of records during creation is zero	Inform programmer
DO	208	OPEN mode conflicts with SEQUENTIAL-WRITE	Inform programmer
D1	209	OPEN mode conflicts with DIRECT-WRITE	Inform programmer
D2	210	Requested FUNCTION-LOG is not customized for DBF	Inform programmer
D3	211	More DBF users active at the same moment than customized	Procedure cannot be started now
D4	212	Incorrect key value specified; first byte of the key is X'FF'	Inform programmer
D5	213	No COMMIT statement executed before file access	Inform programmer
D6	214	No DFP (Disk File Processor) type used for an index	Inform programmer
D7	215	Sequence of statements is illegal; for example, CLOSE without previous COMMIT	Inform programmer

HEX	DEC	Meaning	Action
D8	216	- Illegal Dataset List Address; error on COMMIT with RESERVE - Illegal Record Address; error during move of user record and DBH	Inform programmer
D9	217	Incorrect key length in START statement	Inform programmer
DA	218	File is logically corrupted	Go back to last backup
DB	219	Specified key is greater than 32 characters, or is outside the record boundary	Inform programmer
DC	220	Internal file identification unknown to DBF; for example, file has already been closed	Inform programmer
DD	221	Internal index identification unknown to DBF	Inform programmer
DE	222	Illegal function option (parameter value)	Inform programmer
DF	223	START function conflicts with scope of OPEN mode	Inform programmer
EO	224	DELETE function conflicts with scope of OPEN mode	Inform programmer
E1	225	REWRITE function conflicts with scope of OPEN mode	Inform programmer
E2	226	WRITE function conflicts with scope of OPEN mode	Inform programmer
E3	227	READ function conflicts with scope of OPEN mode	Inform programmer
E4	228	Logging not allowed for file opened for OUTPUT	Inform programmer
E5	229	Number of indexes greater than 10	Inform programmer
E6	230	Index block corrupted	Go back to last backup
E7	231	Specified Data Descriptor area too small to contain all data	Inform programmer
E8	232	Index specification in Data Descriptor conflicts with file definition	Inform programmer
E9	233	Conflicting OPEN modes for the same file; for example, EXTEND and INPUT	Inform programmer

HEX	DEC	Meaning	Action
EA	234	Unknown function code parameter value	Inform programmer
EB	235	Protection error; file OPEN mode conflicts with file restriction	Inform programmer
EC	236	File not opened due to exclusive access error	Inform programmer
ED	237	Corrupted log file (I/O-error)	Inform programmer
EE	238	User file corrupted during ROLL-BACK	Go back to last backup
EF	239	Wrong device type parameter; should be DK	Inform programmer
FO	240	Dataset organization parameter conflicts with file	Inform programmer
F1	241	Error detected during transport of data to or from program	Inform programmer
F2	242	Data Descriptor length greater than 846 or smaller than 59 (standard file), or smaller than 78 (indexed file)	Inform programmer
F3	243	CLOSE with DISCARD specified while file has not been opened for exclusive-access	Inform programmer
F4	244	PROTECTION-MODE parameter conflicts with OPEN mode	Inform programmer
F5	245	OPEN mode in procedure specification conflicts with <u>OPEN mode in program</u>	Inform programmer
F6	246	- Function Log full after 3 automatic enlargements - No space available on disk for enlargement of the Function Log	Inform Service
F7	247	Write error on Function Log file	Go back to last backup
F8	248	Index description exceeds 253 bytes	Inform programmer
F9	249	Number of key items greater than 16	Inform programmer

HEX	DEC	Meaning	Action
FA	250	Specified blocking factor conflicts with VTOC description	Inform programmer
FB	251	Specified record length conflicts with VTOC description	Inform programmer
FC	252	Specified dataset organisation conflicts with VTOC description	Inform programmer
FD	253	Too many files are open at the same time	Procedure cannot be started now
FE	254	File corrupted	Go back to last backup
FF	255	- Data buffer pool too small - Available memory capacity too small	Inform Service

The following codes are used by DBF if RETURN-STATUS=91; DBH will roll-back the current transaction.

HEX	DEC	Meaning	Action
F4	244	Transaction Log file full	Inform programmer
F5	245	Index in use; DBH in DEAD-LOCK situation	Inform programmer
F6	246	Error during DELETE; a very specific situation which can results in a block split due to key compression	Inform programmer
F7	247	Number of index levels greater than 16	Inform programmer
F9	249	Record in use; DBH in DEAD-LOCK situation	Inform programmer
FD	253	Protection table full	Inform programmer
FE	254	Index part of an indexed file is full	Inform programmer

F8 248 LXC = REC PROTECT IE TABLE FULL

SMF RETURN STATUS CODES

RETURN CODE	Description
000	No errors detected or no value entered
001	Value entered
002	MES command given
111	Table full
112	No memory available
113	Illegal function
114	Disk error on FCB file
115	FCB error found
116	Group not known within this form
117	No corresponding section on the screen
118	No space available
119	Fixed section follows Removable section
120	ROLL DOWN not possible
121	ROLL UP not possible
122	Incorrect COBOL item
123	Receive-from-terminal error
124	Send-to-terminal error
125	Terminal-attach error
126	Wrong terminal type
127	Unknown item

ACTION MESSAGES

- A 0030 <device-type><volume-name or char.>MOUNT THIS
VOLUME OR CHARACTERISTICS IMMEDIATELY
Displayed on associated recovery device.
Actions:
- Mount specified volume or stationery on a free device
(DST can be used to get an overview of the free devices).
- To remove any currently mounted disk, cassette or
tape give CLE command.
- If a non-labelled or non-standard labelled disk, cassette
or tape is required, then after mounting give NOL or
UNL command.
- If required volume has already been mounted (e.g.
after IPL), give ATT command.
- If required volume cannot be mounted, give NOM
command.
- A 0031 PUT CARDS FOR THIS JOB IN CARDREADER
Action:
- Put cards for the given job in card reader.
- A 0032 <device-type><volume-name> MOUNT THIS
VOLUME (PHYSICAL ATTACH)
Displayed on the associated recovery device.
Actions:
- Mount non-labelled or non-standard labelled disk,
cassette or tape; give NOL or UNL command.
- A 0033 <device-id> STILL RECOVERY ACTIVITIES PENDING
Displayed on the associated recovery device as response
on a WAI command.
Action: Give HELP command to see what action is
pending.
- A 0039 GIVE KILL OR DUMP COMMAND
Displayed on screen of job initiator.
Actions:
- Give KIL command to remove the job, or
- Give DUM command to remove the job after having
dumped the program, or
- Give NEX command to continue the job at the next
step in the procedure.

The following messages are displayed on the associated recovery device.

Used are the following message parameters:

- <device-id> - the identification of a device
<HEX> - a hexadecimal representation (8 digits) of the
 physical status, being the results of an I/O operation
<P/S> - an indication whether Primary or Secondary
 recovery is required

- A 0040 <device-id><P/S><HEX> DEVICE NOT READY
FOR USE
Actions:
- Give ATT command to retry the device.
- Upon failure of ATT command give DOW or SKI
command and inform Service.
- A 0041 <device-id><P/S><HEX> NO PAPER
Action:
- Provide specified printer with new paper.
- A 0042 <device-id><P/S><HEX> NO INPUT AVAILABLE
Action:
- Give EOF command
- A 0043 <device-id><P/S><HEX>ERRONEOUS
CARD-PUNCHCODE
Action:
- Remove card and if possible, repunch and replace it
in the input hopper in the correct position.
- A 0044 <device-id><P/S><HEX> IO-ERROR,
IO-EVENT ON SYSTEMS INITIATIVE
Actions:
- In case of a card reader transfer the last read card to
the input hopper in the correct position and give ATT
command.
Upon failure inform Service.
- For other devices give DOW or SKI command and
inform Service.
- A 0045 <device-id><P/S><HEX> IO-ERROR,
IO-EVENT ON USER'S INITIATIVE
Action:
- see A 0044
- A 0046 <device-id><P/S><HEX>
IRREPARABLE DEVICE ERROR
Action:
- Give DOW or SKI command and inform Service.
- A 0047 <device-id><P/S><HEX>
REPARABLE DEVICE ERROR
Actions:
- Inspect device for possible errors
- Give ATT command to retry device.
- Upon failure give DOW or SKI command and inform
Service.

- A 0048 <device-id><P/S><HEX> INTERFACE ERROR
Action:
- Give DOW or SKI command and inform Service.
- A 0049 <device-id><P/S><HEX> MAKE CONNECTION
Action:
- Make DC connection for the specified device.
- A 0050 <device-id><P/S><HEX>
THE TRAFFIC IS HELD TOO LONG
Action:
- Give ATT command to restart the data queue.
- Upon failure give DOW or SKI command and inform Service.
- A 0051 <device-id><P/S><HEX> WRONG CARD FORMAT
Action:
- Remove the ejected form or card and insert the correct one.
- A 0052 <device-id><P/S><HEX>
REMOUNT ORIGINAL VOLUME ON THIS DRIVE
Action:
- Remove volume and mount the original one.
- A 0053 <device-id><P/S><HEX>
POSSIBLE HEAD CRASH OF INITIALIZED VOLUME
Action:
- Give DOW or SKI command and inform Service.
- A 0054 <device-id><P/S><HEX> SINGLE SHEET
HANDLER PAPER HANDLING REQUIRED
Action:
- Insert paper in Front Feed or Input Hopper, or clear output stacker
- A 0055 <device-id><P/S><HEX> FORMAT ERROR CHAR
PRINTING INTERFACE
Action:
- Inform System Manager
- A 0059 <device-id><P/S><HEX>
UNEXPECTED PHYSICAL STATUS
Action:
- Give Dow or SKI command and inform Service.

MAKING A HARDWARE DUMP

Perform the following steps:

1. If possible, give WAI command on SYSCOM to be sure the system is not waiting for action from the operator.
2. Set IPL rotary switch on Control Panel in position 0.
3. Press RUN button.
Wait until HEXLED code 90 has been displayed on the Control Panel.
4. Mount flexible disk previously made by the HDCREATE function of UTILS.
When HEXLED code 91 is displayed on the Control Panel, mount second flexible disk previously made by the HDCREATE function of UNTILS.
Wait until HEXLED code 95 has been displayed on the Control Panel (Normal end of Hardware Dump).
5. Reset thumb-wheel to the number of the SYSTEM disk unit.
6. Press RUN button and IPL system as usual.

Send HW-dump with printout of Operator Logging to the Philips Service Organization with a description under what circumstances the HW-dump was made.



